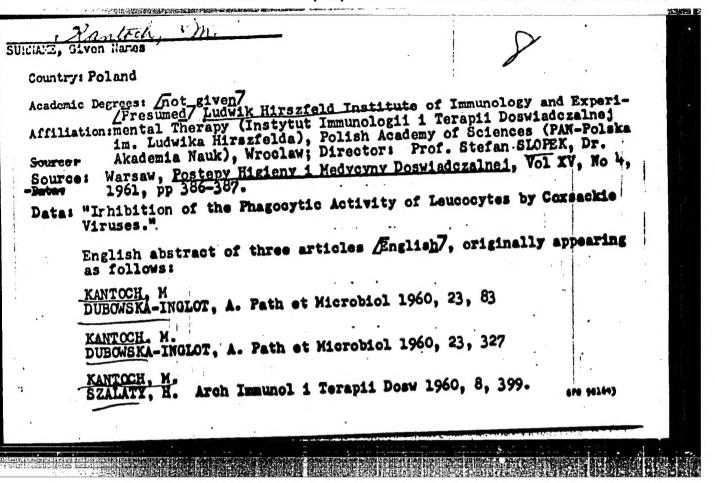
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"Studies on Strains of Poliomyelitis Virus isolated in Poland During the 1959-1965 Period. Biological Properties of Attenuated Strains isolated from Vaccinated Humans"

Warsaw, Medycyna Doświadczalna Mikrobiologia, Vol 18, No 4, 1966; p. 375-383

Abstract [English summary modified]: Study of antigenic markers of oral Tive poliomyelitis vaccine type I CHAT (Koprowski), and type 2 P 712 Ch2, ab (Sabin); both of these attenuated live vaccine virus strains revealed quite marked stability in vaccinated children and passings with the population. 2 tables; 2 Polish, 19 Western references.

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DOBROWOLSKA, Hailna; and STANCZYK, Regina, Department of Vicology of the National Institute of Hygiene in Warsaw (Zakiad Wirusologii PZh) Head (Kierownik) Docent Dr. M. KANTOCH

"Studies on Strains of Pollomyelitis Virus Isolated in Poland During the 1959-1965 Period. Interdependence Between Genetic Markers of Strains and their Antigenic Structure and Neuropathological Properties"

Warsaw, Medycyna Doświadczalna Mikrobiologia, Vol 18, No 4, 1966; p. 385-395

Abstract [English summary modified]: Testing of 5 strains of type I pollomyelltis wild virus, isolated from patients, and of 2 strains of attenuated CHAT virus or d, T markers, antigenic properties and neuropathological properties in monkeys; and also of 5 type 2 strains and 2 control strains from oral attenuated virus P 712 Ch 2 ab Sabin indicated that presence of antigenic markers and neuropathological properties for monkeys was not a reliable correlation. 2 tables, 8 Western references.

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Warsaw, Medycyna Doświadczalna Mikrobiologia, Vol 18, No 4, 1966; p. 397-404

Abstract [English summary modified]: Detailed analysis of wild pollomyelltis strains circulating in the Pollish populations since the introduction of the oral vaccination in 1965 indicated that any variation of the attenuated live vaccine strain is extremely rare and limited in significance. 2 tables; 4 Western, 2 Polish, 2 Soviet references.

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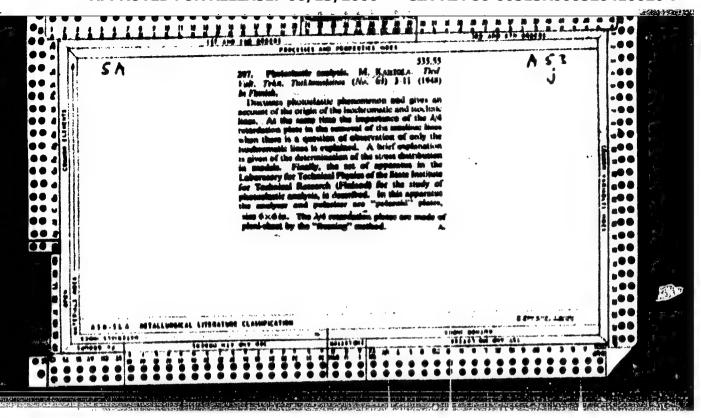
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SHAKIN, V.A.; KANTOLINSKIY, S.I. [Kantolins'kyi, S.I.]

Stratigraphic position of the dark-colored formation in the Dusino-Polyana region of Transcarpathia, Geol.zhur. 23 no.3: 107-111 '63. (MIRA 16:9)

1. Ukrainskiy mauchno-issledovatel†skiy gornorudnyy institut.
(Transcarpathia-Geology, Stratigraphic)

L 45277-66 EWT(m)/EWP(j)/T RM

ACC NR: AP6023234 (A) SOURCE CODE: UR/0342/66/000/004/0015/0017

AUTHOR: Kantonistov, A. M., (Deputy Director for Scientific Research, Candidate of Technical Sciences); Chubarova, G. D., (Chief of the Weaving Department); Novolodskaya, I. G., (Chief of Assort ment Laboratory); Belousova,

Z. P., (Chief of Laboratory of Weaving Technology)

ORG: Leningrad Scientific Research Institute of the Textile Industry (Len MITP), (Leningradskiy nauchno-issledovatel' skiy institut tekstil' noy promyshlennosti)

TITLE: Bulked yarn fabrics

SOURCE: Tekstil' naya promyshlennost', no. 4, 1966, 15-17

TOPIC TAGS: synthetic fiber, orlon, acrilon, exlan, courtell, nitron, lavsan, polyacrylonitrile, bulked yarn

ABSTRACT: The Leningrad Scientific Research Institute for the Textile Industry has created new imitation-wool bulk fabrics made from nonstabilized yarns containing corded fibers of polyacrylonitrile and polyester synthetics (orlon, acrilon, exlan, courtell, nitron, lavsan) and yarns made of spun fibers ("B" nitron and

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nitron, a pure polymer of irregular shrinkage. The fabric was bulked by irregular shrinkage of the fibers during heat treatment. The author describes the properties of the fabrics made from nonstabilized bulked yarn, processed from twisted orlon and gives a detailed description of the properties of the yarn used. The data given show that the yarn is of high and relatively uniform strength and, therefore, breaks infrequently during weaving. The use of twisted yarn made sizing unnecessary. Table 1 in the original article shows the weaving characteristics of the sample fabrics, finished at the V. Slutskaya and "Lensukno" mills. Table 2 shows the properties of some unfinished and finished samples. Fabrics made of nonstabilized varn, produced from corded polyacrylonitrilic and polyester fibers were developed by the authors with the assistance of associates of the Zhelyabov Mill. Table 3 shows the properties of acrilon, exlans, courtell, nitron and lavsan of samples. The shrinkage of nitron samples during heat treatment was lower than for orlon fabrics. Fabrics made from nonstabilized yarn, produced from a blend of spun fibers of irregular shrinkage used nonstabilized No 54/2 (18. 5 Text. x 2) fibers, containing "B" nitron and pure-polymer nitron. Samples of the three types of fabrics were produced at the Zhelyabov Weaving Mill, and the sample made from yarn containing 50% nitron (both types) was found to be the best. The tests carried

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out showed that the outlooks for the use of various highly shrinkable fibers to produce bulked fabrics are promising and that research to develop such fabrics should continue. Orig. art. has: 3 tables.						
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1. Of the Neurological Division of the Hospital for Invalids of the Fatherland War, Saransk.

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1. Of the Surgical Division (Head--K.I. Kuskova), Republic Hospital Mordov ASSR (Head Physician--B.I. Kotlyar).

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1. Is Kliniki Bolesney ukha, gorla i nosa (sav.-dotsent D.A. Bytchenko) Chernovitakogo meditsinakogo instituta.
(MAR--SURGENY) (BRAIM--ABSCESS)

### KANTOR, A.A., kandidat meditsinskikh nauk

Bilateral pneumothorax following trachectomy and its pathogenesis. Vrach.delo no.5:541 My '57. (MIRA 10:8)

1. Kefedra ukha, gorla i nosa (sav. - dots. D.A.Butchenko)
Chernovitskogo meditsinakogo instituta i kafedra fiziologii (zav. - dots. D.A.Kocherga) Chernovitskogo universiteta
(PMENOTHORAX) (TRACHEA--SURGERY)

# KAHTOR, A.A., kand.med.nauk

Effect of tensillectory in chronic tensillitis on the course of thyrotoxicosis. Vrach.delo no.11:1209 Nº58 (MIRA 12:1)

1. Elinika belesney ukha, gorla, i nosa (sav. - dots. D.A.
Bytchenko) Chernovitskogo meditsinskogo instituta i Chernovitskiy
oblastnoy sobno-endekrinologicheskiy dispanser (oblastnoy endekrinolog
dots. B.B. Rodnyanskiy).

(TOBS ILS)

(THYROID GLAND-DISEASES)

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1. Is kafedry bolesmey mina, gorla i nosa (sav. - dots. D.A.

Bytchenke) Chernovitskogo meditsinskogo instituta.

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l. Is kafedry bolesney ukha, gorla i nosa (zav. - dotsent D.A. Bytchenko) Chernovitskogo meditainskogo instituta.

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KANTOR, A.A., dotsent

Survey of Russian and foreign literature on tympanoplasty. Zhur. ush., nos. i gorl. bol. 21 no.1:81-90 Ja-F 61.

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1. Kafedra bolezney ukha, gorla i nosa Ternopoliskogo meditsinskogo instituta.

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### \_KANTOR, A.A., dotsent

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1. Iz kafedry otolaringologii Ternopol'skogo meditsinskogo instituta (rektor - dotsent P.Ye. Ogiy).

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l. Iz kafedry bolezney ukha, gorla i nosa (zaveduyushchiy - dotsent A.A. Kantor) i kafedry fiziki (zaveduyushchiy - dotsent S.M. Shamrayevskiy) Ternopol'skogo meditsinskogo instituta.

# KANTOR, A.A., dotsent (Ternopol')

Some problems of differential diagnosis of otosclerosis and treatment of vertigo during this disease by severing the chorda tympani. Zhur. ush., nos. i gor. bol. 24 no.2142-46 Mr-Ap '64 (MIRA 18:1)

1. Iz kliniki bolezney ukha, gorla i nosa Ternopol'skogo meditsinskogo instituta (rektor - dotsent P. Ye. Ogiy).

### KANTOR, A.A., dotsent

Microsurgical treatment of the labyrinthine fenestra in tympanoplasty from the viewpoint of the histopathology of para enestral formations. Zhur.ush., nos. i gorl. bol. 24 no.5:3-10 S-0 64. (MIRA 18:3)

1. I kliniki bolezney ukha, gorla i nosa (zav. - dotsent A.A. Kantor) i kafedry patologicheskoy anatomii (zav. - prof. A.T. Khazanov) Ternopol'skogo meditsinskogo instituta.

ISKENDEROV, I.A., kand.tekhn.nauk; KANTOR, A.G., inzh.

Designing underwater pipe for the action of ocean waves. Stroi. truboprovod. 6 no.8:9-11 Ag '61. (MIRA 14:8)

1. Institut Gipromorneft', Baku. (Underwater pipelines)

ISKENDEROV, I.A., kand.telem.nsuk; KANTOR, A.G., insh.

Designing underwater pipelines for the action of sea waves. Stroi. truboprov. 6 no.7:12-15 Jl '61. (MIRA 14:8)

1. Institut Cipromorneft', Baku. (Underwater pipelines)

TO THE STATE OF THE PERSON OF

OVSYANNIKOVA, Svetlana Aleksandrovna: TATTOR. A.I., radaktor; ROZBN, B.A., tekhnicheskiy redaktor

[Studying the history of the workers' movement in a district; a manual for workers in local museums] Ixuchenie istorii rabochego dvisheniia kraia; posobie dlia rabotnikov kraevedcheskikh museev. Moskva, Gos. izd-vo kul'turno-prosvetit. lit-ry, 1956. 65 p. (MLRA 9:12) (Labor and laboring classes—History)

# KANTOR, A.S.

Disdrinful attitude toward suggestions under by efficiency workers.

Vest. svinsi 15 no.8:26-27 Ag 155. (MLRA 8:12)

l. Master svyasi, tekhnik Zhitomirskoy gorodskoy translyatsionnoy seti. (Telecommunication)

Card 1/3

5(2) SOV/64-59-6-13/28 Klevke, V. A., Kantor, A. S. AUTHORS: On Some Properties of Ammoniates on the Basis of Ammonium TITLE: Nitrate and Urea Khimicheskaya promyshlennost', 1959, Mr 6, pp 507 - 509 PERIODICAL: (USSR) The mutual solubility of the components of the system ABSTRACT: MH4HO3 - CO(MH2)2 - NH3 - H2O was investigated by means of a special apparatus (Fig 1) at 30 and 0°. In the case of different  $\text{NH}_3$ : (NH<sub>3</sub> + H<sub>2</sub>0) ratios the investigations were carried out according to the methodology described in the paper by Professor I. R. Krichevskiy (GIAP). Basically, the apparatus consists of two thick-walled test tubes placed one on top of the other and joined by two ducts via a metal

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head. The ducts can be closed by two valves. One duct serves for the maintenance of the pressure balance between the two test tubes, the second is used to convey the filtered-off solution from one tube into the other. Urea in the filtered-off equilibrium solution was determined by means of the

On Some Properties of Ammoniates on the Basis of Ammonium SOV/64-59-6-13/28

urease method developed by Marshal as improved by R. S. Oks (Chernorechenskiy khimicheskiy zavod) (Chernorechine Chemical Plant). The results obtained (Table 1) show that the highest common solubility of 96.9% is reached at 30 (for 70% ammonia water), in which case ammonium nitrate amounts to 53.4%. The mutual solubility of urea and ammonium nitrate in aqueous ammonia solutions was determined at 0 for  $NH_3$ ;  $(NH_3 + H_20)$  ratios of 0.2, 0.4, and 0.5 (Fig 2, Table 2), and it was found that in the case of the two latter values complex compounds of the compositions CO(NH2)2 0.11NH3 (0.4) and CO(NH<sub>2</sub>)<sub>2</sub>\*0.25NH<sub>3</sub> (0.5), respectively, are formed. The solubility of the salts in the saturated solutions increases at 30° with mounting NH3 s (NH3 + H20) ratios, which does not hold for 0°, since in this case the complex compounds form. On the basis of the data obtained the compositions of the four ammoniates best suited for agricultural purposes are listed (Table 3). Their vapor pressures were determined on a special apparatus (Fig 3). There are 3 figures, 3 tables,

Card 2/3

On Some Properties of Ammoniates on the Basis of Ammonium Nitrate and Urea

06221 30**7/64-59-6-13/**28

and 9 references, 1 of which is Soviet.

Card 3/3

KLEVKE, V.A.; KANTOR, A.S.; LYUDKOVSKAYA, B.G. Prinimala unbestige SEREGINA, R.P.

Study of nitrophoska pulp compositions by sulfate and sulfuris acid methods. Zhur. prikl. khim. 37 no.11:2332-2341 N \*64 (MTRA 18:1)

BR

A¥4033659

BOOK EXPLOITATION

S/0790

Kantor, Aleksanur Vasil'yevich

Apparatus and methods of measurement in rocket tests (Apparatura i metody\* izmereniy pri ispy\*taniyakh raket) Moscow, Oborongis, 1963. 519 p. illus., biblio. Errata slip inserted. 6000 copies printed. Reviewers: Znamenskaya, A. M. (Doctor of Technical Sciences); Grosman, B. F. (Engineer); Editor: Brontman, D. K. (Candidate of Technical Sciences); Deputy editor: Shteynberg, G. I. (Engineer); Publishing house editor: Burakeva, O. N.; Technical editor:

TOPIC TAGS: rocket test, test apparatus, test method, rocket stand test, rocket flight test, radiotelemetry, on board measurement, tracking, unit time service, radio sounding

PURPOSE AND COVERAGE: This book is intended for a wide circle of scientific 'personnel and engineers concerned with rocket technology. Methods and systems of measurement applicable for stand and flight tests are cutlined. Radiotelemetric and on-board measurements are analyzed in detail, as are tracking measurements.

Card 1/4

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### AM4033659

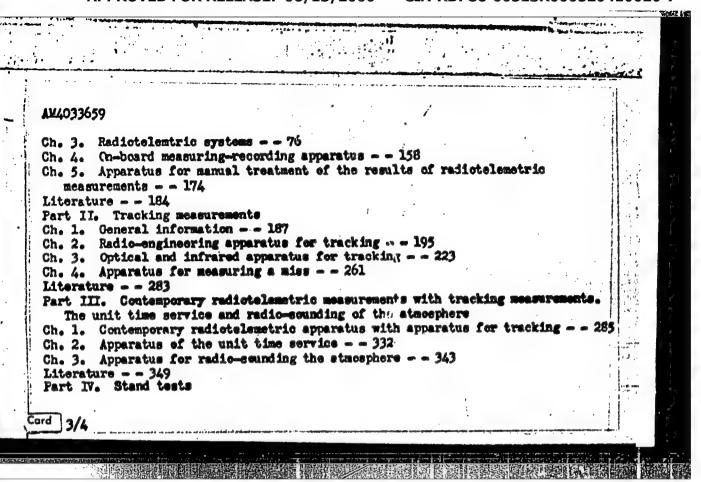
ments, contemporary radiotelemetry and tracking methods, systems of unit time, and different types of stand measurement. The treatment of measurement results is clarified. Along with systems of the analog type, discrete systems of measurement and automation of work on the measurement results from stand and flight tests are analyzed in detail. Different types of apparatus used in testing rockets are described. Part IV and Section 3 of Chapter 2 were written by Engineer S. Ya. Dul'kin. The author expresses his deep gratitude to Engineer B.F. Grosman and Doctor of Technical Sciences A. M. Znamenekaya for their invaluable aid with the manuscript, and to the scientific editor, Candidate of Technical

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Part I. Radiotelemetric and en-board measurements

Ch. 1. General information. Methods of measurement - - 13 Ch. 2. Gages and associated installations - - 23

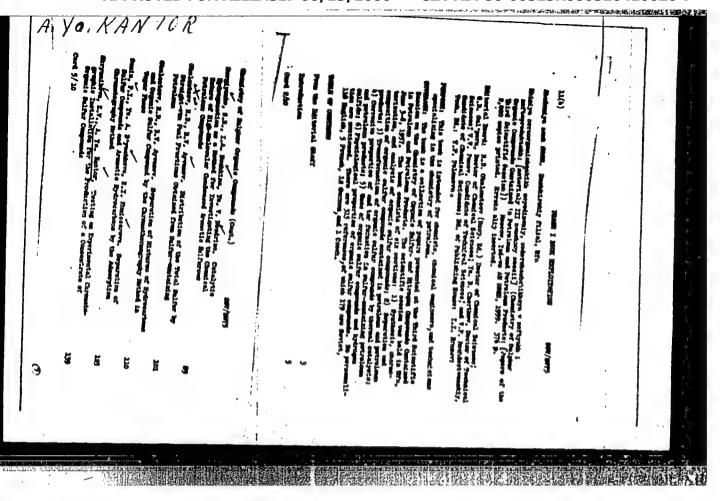


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# AMAO33659 Ch. 1. Neasuring and recerding apparatus - - 355 Ch. 2. Negsurements during rocket-engine-installation stand tests - - 371 Literature - - 376 Part V. Discrete methods of measurement Ch. 1. General information concerning discrete measuring systems. Elements of discrete systems - - 377 Ch. 2. Discrete measuring apparatus - - 474 Ch. 3. Bases of automating treatment of results of measurements in discrete measuring systems - - 489 Literature - - 516 SUB CCOE: PR, NO SUBMITTED: 22Aug63 NR REF SOV: 058 CTHER: 121

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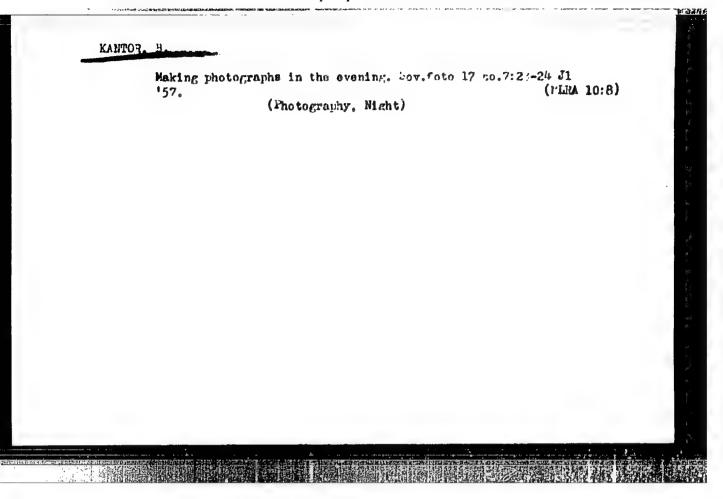


### KANTOR, A.Ya.

Chromatographic methods employed at the Ufa synthetic alcohol plant. Zav.lab. 28 no.2:250 '62. (MIRA 15:3)

l. Nachal'nik opytno-issledovatel'skogo tsekha Ufimskogo zavoda sinteticheskogo spirta. (Ufa-Alcohol) (Chromatographic analysis)

# "APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410020-7

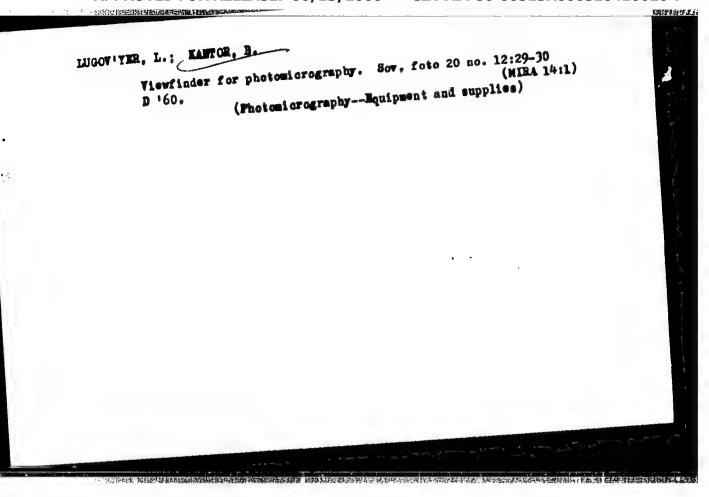


USEN/Fael Conservation
Ingines, Marine

"Escucary of Faul in the Condensate Pipe in Power
Installations by Meens of Facking Washers,"
B. Eantor, 5 pp

"Morskoy Flot" Vol VII, No 6 34-37

Device to cut down the 20% loss resulting from faulty operation of condensation equipment.



### "APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410020-7

KANTOR, Bela, dr.

Remark on the problem of centralized shipping and transportation. Kosleked kosl 17 no.49:832-834 D 161.

KANTOR, B.A., goolog

Artificial filling in of the head race during the building period. Gidr. stroi. 32 no.12:39 D '61. (MIRA 15:2) (Dame)

PETROVA, L.A.; YAROSH, Ye.P.; KANTOR, B.B.

Salt separation of the products of the acetonation of sorbose.

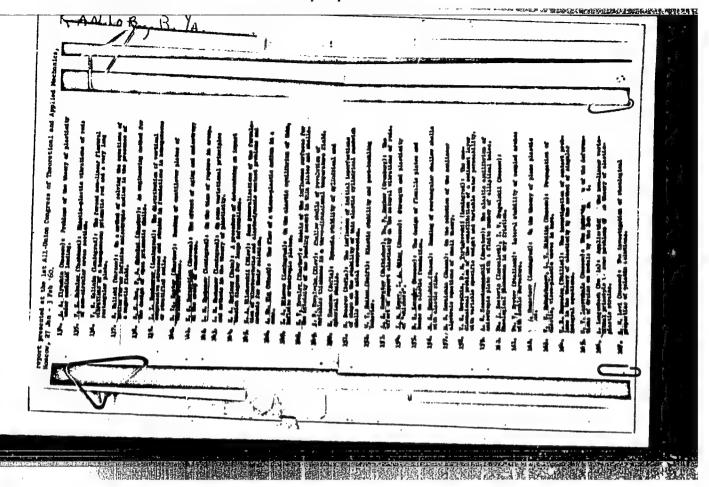
Trudy VNIVI 6:41-47 159. (MIRA 13:7)

1. Sinteticheskaya laboratoriya Veesoyusnogo nauchno-issledovatel-skogo vitaminnogo instituta i Leningradskiy vitaminnyy savod No.1. (SORBOSE)

Saving of power resources by the industrial enterprises of Perm Province. Prom. energ. 15 no.8:12-13 Ag '60. (MIRA 15:1)

1. Mirektor Permskogo energosbyta. (Perm Province—Electric power)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410020-7



54

S/044/61/000/007/042/055 C111/C222

AUTHOR:

Kantor, B.Ya.

TITLE:

The bending of a plate of variable thickness which has the form of a circular rectangle and is clamped along the smaller boundary of the arc

PERIODICAL: Referativnyy shurnal Matematika, no. 7, 1961, 34-35, abstract 7 V 229. ("Prikl. mekhanika", 1960, 6, no. 4, 420-428)

TEXTs. The author describes an approximate method for the calculation of the bending of cantilever plates of a variable bending resistance. In this method the integro differential equation of the equilibrium is replaced approximately by a system of integral equations which then is approximated by a system of algebraic equations. The calculation of concrete plates was carried out with the device "Strela". The results of the calculations of two plates are compared with experimental results.

[Abstracter's note s Complete translation.]

Card 1/1

### "APPROVED FOR RELEASE: 06/13/2000

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S/122/60/000/011/002/020 A161/A127

26.2120

Kantor, B. Ya., Engineer

TITT.R:

Calculation of critical velocities of multiple-rest rotors with a variable cross-section by means of the "Strela" computer

PERIODICAL:

Vestnik mashinostroyeniya, no. 11, 1960, 7-10

TEXT: The calculation of natural critical velocities of multiple-rest rotors with a variable mass and rigidity is of great importance in the design of turbines, power generators, etc. In the general practice of design offices various approximated calculation methods are used, since precise calculation is a very laborious process. Therefore, the application of high-speed digital computers has been suggested. In a book, written by B. M. Kagan and T. M. Ter-Mikaelyan (Ref. 4: Resheniye inzhenernykh zadach na avtomaticheskikh vychislitel nykh mashinakh/Solution of Engineering Problems by Automatic Computers/Gosenergo-izdat, 1958) the calculation of the critical velocities of a twin-rest rotor with elastic supports by means of the BESM computer has been described. The present study contains methods and logical programming schemes for the determination of critical velocities of multiple-rest rotors with rigid supports developed by means Card 1/6

of the "Strela" computer of the computing center of the AS USSR. The program is based on the conventional integration calculus by parts of the differential 40 at [E](x) \frac{d'y}{dx^2} = m(x) a^2 y = 0. (1)  where: E the elasticity modulus  J(x) the inertia moment of the retor cross section  m(x) mass per unit of length  \omega circumferential vibration frequency  y flexural amplitude of the rotor axis  This method is quoted from a study by M. A. Proh the calculation of critical speeds of flexible r brs, "J. of Appl. Mech.", Sep 1945. In the calculus, the four boundary conditions have to be observed. For the integration of the equation (1) an approximate circulation scheme is used (Fig. 12 which is easily obtained by dividing the rotor is a series of parts and reducing gravity is not changed. The rotor parts between sidered weightless rods with a flexural rigidit, the corresponding part of the sound rotor. Int cation within the limits  Card 2/6			and the rapid gas may aga 80000	L	23099		
equation $\frac{d^3}{dx^4} \left[ E/(x) \frac{d^3y}{dx^3} \right] - m(x) \omega^3 y = 0$ . (1)  where: $E$ - the elasticity modulus $J(x)$ the inertia moment of the rotor cross section $m(x)$ mass per unit of length $\omega$ circumferential vibration frequency $y$ flexural amplitude of the rotor axis  This method is quoted from a study by M. A. Proh  the calculation of critical speeds of flexible respectively. In the calculus, the four boundary conditions have to be observed. For the integration of the equation (1) an approximate condition in scheme is used (Fig. 1a)  which is easily obtained by dividing the rotor integration of the equation (1) an approximate condition scheme is used (Fig. 1a)  the mass of each part to its ends in such a way gravity is not changed. The rotor parts between in the position of the center of the corresponding part of the intual rotor. Integration within the limits		Calculation of cr	itical velocitie	s of	'8/122/60/000 A161/A127	0/011/002/020	
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Calculation of or	itical velocities o	£	8/122 A161/	7:085 /60/000/011/002/0	20	5
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Calculation of critical	al velocities of	8/122 A161/	/60/000/011/002, A127	/020	V
specifications of the 2,000 arithmetic and 1 binary system with a f the memory capacity co described, while detai gram contained 130 ord critical vibration freing spans) and parts i number of shafting spaural frequencies which the parts $\Delta x$ ; the mathematical time while programmed several orders of the scopic effect of a mass has been successfully in	ng to an elaborate logicomputer are given; operations per secondic operations per secondating comma; the systemprises 2,048 locations lateral for the programming the erast of the programming the erast of rotors with nathese spans. The following number of parts (see must be determined; a sea of the points mand sibility values have been ing of the same would have program permitted of sive discipation of the conused by the Khar'kovskij	emputer for the manager ational capacity and; numbers are seem of orders is a configuration of any necessary an arbitrary number of any necessary an arbitrary number of any necessary at a configuration of any necessary an arbitrary number of any necessary at a configuration of a	umerical integrations of the parts of the pa	type; type; pro- iral haft- used; nat- of eriod chang- yro-	45 45 55 45 55 55 55 55 55 55 55 55 55 5
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KANTOR, B.Ya.

Programming problems on plate bending for the Strela computer.

Sbor.trud.Lab.gidr.mash. no.9:64-68 '61. (MIRA 15:3)

(Electronic analog computers) (Elastic plates and shells)

THE THE PROPERTY OF THE PROPER

37745 5/179/62/000/001/015/027 E114/E181

24.4200

Kantor, B. Ya., and Filippov, A.P.

TITLE:

AUTHORS:

Analysis of bending of a circular segment shaped plate of variable thickness clamped along a portion of its arcuate edge, utilising a fast computer

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnichoskikh nauk. Mekhanika i mashinostroyeniye, no.1, 1962, 121-124

TEXT: Making the usual assumptions for a thin plate, a plate of variable thickness is assumed to be subjected to a distributed load, to be clamped along a portion of its arcuate edge, and to be free over the remainder of the arcuate edge. The potential energy of the bent plate is expressed in polar coordinates, and a set of equations is derived in terms of the local thickness and pressure. Three sets of functions have to be solved, and the methods employed were specifically adapted for use with the computer "Strela". The sub-programme of differentiation was framed in terms of powers of polynomials, Card 1/3

Analysis of bending of a circular ...  $\frac{5/179/62/000/001/015/027}{E114/E181}$ 

which led to exact solutions. Since it is convenient to express the thickness of the plate and its loading in the form of a Table. the programme included approximate integration over the area of the plate utilising R. Cotes' formula. To obtain an adequate accuracy of integration, a sufficiently fine grid was drawn by dividing each of the three sections of the plate radially into ten equal parts. By proving that certain terms are equal to zero the computer time was significantly reduced. The computer was next used to calculate deflections and stresses in the plate by feeding into it a matrix of the thickness of the plate and of its loading, as well as the information about the coordinate functions. The programme was in three parts. The first part calculated the top right portion of the matrix and the right part of the system, and recorded the information on a magnetic tape. Next, the computer solved systems of equations for each nodal point of the grid. In the third part of the programme, the computer calculated the deflections and stresses. With sixty nodal points and a computer speed of 2000 operations per second, the first part of the programme required one hour and fifty Card 2/3

Analysis of bending of a circular ... \$/179/62/000/001/015/027

minutes, the second six minutes, and the third four minutes. It follows from a quoted example that sixty nodal points give adequate accuracy, and that little or nothing is gained from a finet grid.

There are 6 figures.

SUBMITTED: August 2, 1961

Card 3/3

ALIKHASHKIN, Ya.I., kand.fiz.-matem.nauk; KANTOR, B.Ya.; MARCHENKO, G.A.; ORLOVA, I.A., red.; KORKINA, A.I., tekhn.red.

[Standard programs for the "Strela-3" computer] Standartnye programmy dlia mashiny "Strela-3." Moskwa, 1963. 15 p. (Akademii: nauk SSSR. Vychislitel nyi tsentr. Standartnye i tipovye programy dlia mashiny "Strela-3," no.5). (MIRA 16:10)

KANTOR, B.Ya., insh.

Calculation of the blades of high-pressure adjustable-blade hydraulic turbines using the "Strela" computer. Energomashinostroenie 9 no.2:13-16 F '63. (MIRA 16:3)

(Hydraulic turbines)

### "APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410020-7

KANTOR, B.Ya.; MARCHENKO, G.A.

Dynamic and static calculation of plates using high-speed digital computers. Trudy Lab.gidr.mash.AN USSR no.11:20-29 164.

(MIRA 17:10)

#### "APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410020-7

KANTOR, B.Ya. (Khar'kov)

Engineering nonlinear theory of thin shells with variable thickness. Prikl. mekh. 1 no.12:22-28 165.

(MIRA 19:1)

1. Khar'kovskiy filial Instituta mekhaniki AN UkrSSR. Submitted April 9, 1965.

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KANTOR, B.Ya., kand.tekhn.nauk

Characteristics of the inside surface of the blade of an axialflow hydraulic turbine. Energomashinostroenia 11 no.3:41-43 Mr 165. (MIRA 18:6)

# CHARTOR, B. Ye.

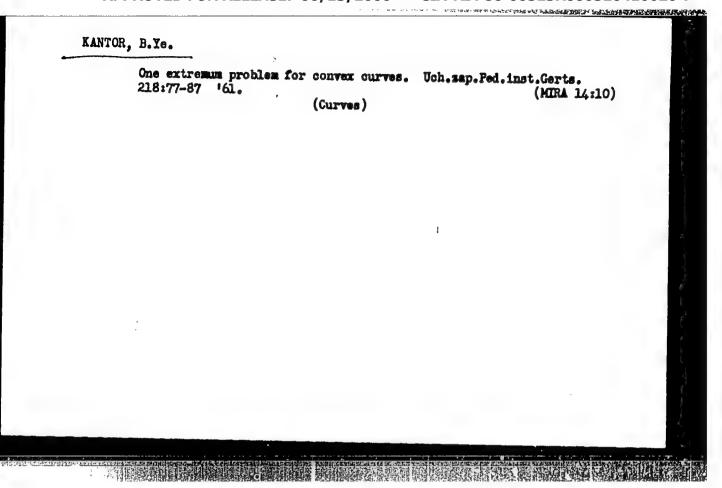
One extremum problem. Isv. vys. ucheb. sav.; mat. no.2:110-112 160. (MIRA 13:7)

1. Leningradskiy pedagogicheskiy institut im. A.I. Gertsena. (Functions of complex variables)

RANTOR, B. YE., CAND PHYS-MATH SCI, "CERTAIN EXTREME PROBLEMS OF GEOMETRY AND SEME BOUNDARY VALUE PROBLEMS OF ORDINARY DIFFERENTIAL EQUATIONS." MS, 1961. (MOSCOW STATE UNIV INENI M. V. LOHONOSOV). (KL-DV, 11-61, 208).

-13-

### "APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410020-7



5/044/62/000/010/004/042 B112/B102

AUTHOR: Kantor, B. Ye.

TITLE: First boundary value (two-point) problem for the equation y'' = f(x,y,y')

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1962, 38, abstract 10B160 (Uch. zap. Karel'sk. ped. in-t, v. 11, no. 1, 1961, 7 - 24)

TEXT: The two-point boundary value problem

$$y^n = f(x_1y_1y_1); \quad y(a) = y_1, \quad y(b) = y_2$$
 (1)

is considered in a class of generalized solutions which represent continuous curves whereon the first derivative is a continuous function with bounded variation. If the function f(x,y,y') is continuous with respect to y and y' for almost all  $x \in [a,b]$  that can be measured with respect x for all y and y', and if  $\phi_1(x)R(y') \leqslant f(x,y,y') \leqslant \phi_2(x)R(y')$ , where  $\phi_1(x)$  and  $\phi_2(x)$  satisfy the inequalities Card 1/2

First boundary value ...

S/044/62/000/010/004/042 B112/B102

$$\tau_{1} = \inf_{(a, \beta) \subset (a, b)} \int_{a}^{\beta} \varphi_{1}(x) dx >$$

$$> -\tau_{0} > -\min \left\{ \int_{-\infty}^{p_{0}} \frac{d\rho}{R(\rho)}, \int_{p_{0}}^{\infty} \frac{d\rho}{R(\rho)} \right\},$$

$$\tau_{2} = \sup_{(a, \beta) \subset (a, b)} \int_{a}^{\beta} \varphi_{3}(x) dx < \tau_{0} <$$

$$< \min \left\{ \int_{-\infty}^{p_{0}} \frac{d\rho}{R(\rho)}, \int_{p_{0}}^{\infty} \frac{d\rho}{R(\rho)} \right\},$$

where  $\gamma_0 = \max \left\{ |\tau_1|, |\tau_2| \right\}$ ,  $p_0$  is the coefficient of inflection of a straight line passing through the points  $A(a,y_1)$  and  $B(b,y_2)$ , then the problem (1) will be solvable in the generalized sense. At the end of the paper, the differential properties of the generalized solutions are investigated. [Abstracter's note: Complete translation.]

Card 2/2

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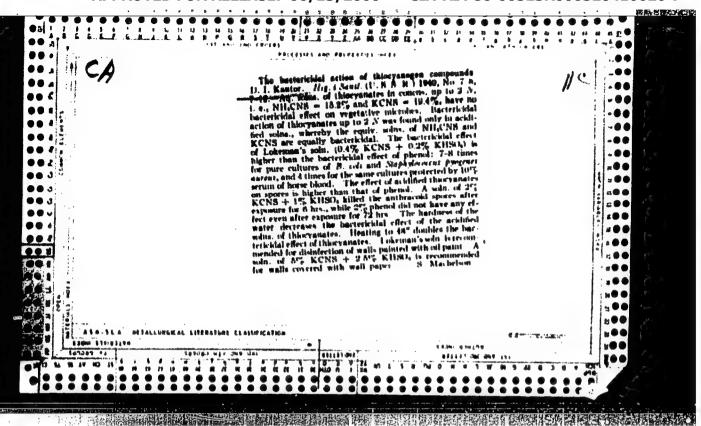
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THE RESERVE OF THE PROPERTY OF

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\*\*Balliation\*\*

\*\*Balliation\*\*

\*\*Disinfecting the Air in Children's Institutions.

Filtering the Air of Microbes Through an Oiled Screen," D. I. Kantor, K. P. Lebedev, 2 1/2 pp

\*\*Gig i San" No 9

Found that air stream from 125-watt electric fan filtered through oiled granite screen 165 x 255 cm in size reduced microflors of 48.2 cu m room by 62-65%. Mathod is thus more effect. 'un oiled skirting formerly used and has fever arawbacks. Suggests method be further tested and used in schools and children's hospitals.

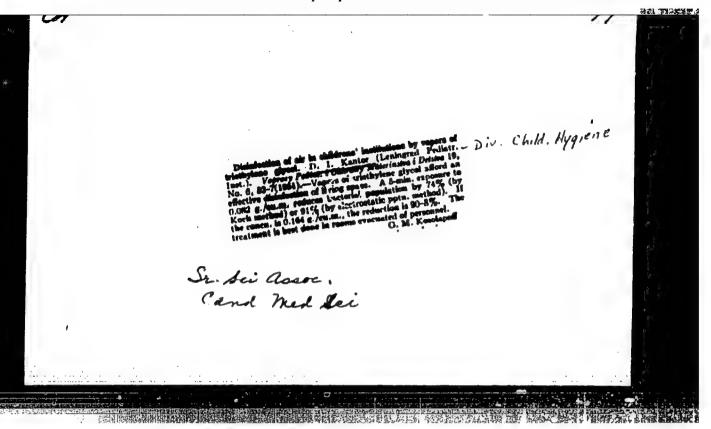
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